BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 4900000.00

Name of Work: ***Detailed Estimate for the work of Improvements to Roads and Drains and providing missings slabs and kerbs at NES office road (Mini vidhanasouda road) in kempegowda ward no -01.***

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	**KSRRB 500-1, Cleaning the existing WBM surface** with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per Specifications. (P.No.158 & I No.21.1) SR 2018-19	Sqm							
	Basaveshwara nagara		1	180.00	5.20		936 00		
			1	150.00	5.20		780.00		
	Bharath gowda layout		1	180.00	5.50		990 00		
	GKVK layout		1	150.00	5.50		825.00		
	Jayamuni nagara for camber correction		1	230.00	6.00		1380.00		
			1	100 00	6.00		600.00		
							5511.00	22.26	**122675.00**
	Basic Rate	21.00							
	Area Weightage 6%	1.26							
	Grand Total	22.26							
2	KSRRB M500-6 Providing and applying primer coat with SS bitumen emulsion on prepared surface of Granular base such as WMM including cleaing of road surface and spryaing primer at the rate of 0.60 kg / sqm using machanical means complete as per specifications clause 502 of MORTH V revision Page No 158 item no 21.6 SR 2018-19	sqm							
	Qty Same as item no 1						5511.00		
							5511.00	36.04	**198616.00**
	Basic Rate	34.00							
	Area Weightage 6%	2.04							
	Grand Total	36.04							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB M500- 15 Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications clause 505 of MORTH revision (P.No.160 It No.21.17.6) SR 2018-19	cum							
	for camber correction								
	basaveshwara nagara		1	180.00	5.00	0.050	45.00		
			1	150.00	5.20	0.050	39.00		
	Bharath gowda layout		1	180.00	5.50	0.050	49.50		
	GKVK layout		1	150.00	5.50	0.050	41.25		
	Jayamuni nagara		1	230.00	4.70	0.050	54.05		
			1	100.00	4.70	0.050	23.50		
							252.30	7721.04	**1948018.00**
	Basic Rate	7284.00							
	Area Weightage 6%	437.04							
	Grand Total	7721.04							
4	KSRRB 500-7 Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials labour HOM complete as per specifications (Clause 503 of MORTH V revision. Page No 158 Item no 21.7SR 2018-19	Sqm							
		Qty Same as item no					5511.00		
	Basic Rate	14.00					**5511.00**	14.84	**81783.00**
	Area Weightage 6%	0.84							
	Grand Total	14.84							

Sl No	Description of Item	Unit	No	L	B	H	Qty	Rate	Amount
5	SERRD M500- 19 Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V Revision (P.No.161 Item No 21.22.6) SR 2018-19	cum							
	Basaveshwara nagara		1	180.00	5.20	0.040	37.44		
			1	150.00	5.20	0.040	31.20		
	Bharath gowda layout		1	180.00	5.50	0.040	39.60		
	GKVK layout		1	150.00	5.50	0.040	33.00		
	Jayamuni nagara		1	230.00	6.00	0.040	55.20		
			1	100.00	6.00	0.040	24.00		
							220.44	8980.32	**1979622.00**
	Basic Rate	8472.00							
	Area Weightage 6%	508.32							
	Grand Total	8980.32							
							Sub Total		**4330714.00**
6	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018								519685.68
7	DPR & PMC charges 1%								43307.14
7	Miscellaneous charges								6293.18
								Total	**4900000.00**

(Rupees Forty nine Lakhs Only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2018-19
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Administrative Approval

Accorded For Rs 49.00 lakhs only
Head of A/C..P.3443
CER NO :AE/63/18-19 Dt:07-12-18

TA

CE (YNK)

Technical Sanction

Accorded For Rs 49.00 lakhs only
Head of A/C..P3443
CER NO :TS/126/18-19 Dt:07-12-18

TA

CE (YNK)

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD

150 - YELAHANKA AC

N

VILLAGE BOUNDARY
VILLAGE BOUNDARY
EXI. CMC WARD BND
EXI. CMC WARD BND
GOVINDAPURA
YELAHANKA AIRPORT AREA
BSF STC YELAHANKA
BELLARY ROAD
KEB LAYOUT PHASE-I
VILLAGE BOUNDARY
RYAN INTERNATIONAL SCHOOL
POLICE TRAINING CENTRE
SAI SPRING FIELD COLONY
ALI ESTATE
VASUDEVAPURA
KEMCHENAHALLI
RAILWAY LINE
CANADIAN INTERNATIONAL SCHOOL
BSF BUS STOP
VINAYAKNAGAR
G L RAJU COLONY
MACHENAHALLI
SATYAPPA KHUBAPPA KEMPAMMA LAYOUT
LAKE VIEW RESIDENCY
YALAHANKA KERE
BANGALORE SPOKES INDIA PVT LTD
VENKATALA
VENKATALA LAYOUT
VENKATAPPA LAYOUT
EXI. CMC WARD BND
RAILWAY LINE
EXI. CMC WARD BND TANK LIMIT
BELLARY ROAD
CHOWDESWARI LAYOUT
MARUTHI NAGAR
MARUTHINAGAR
KENDRIYA VIHAR
RAILWAY STATION
KAMAKSHAMMA LAYOUT
SHANKARENA LAYOUT
BAZZAR ROAD
KULAPPA LAYOUT
BADRAPPA LAYOUT
JAYANNA LAYOUT
FM GOETZE PLANT
YELAHANKA
MAHESHWARE NAGAR
HOSPITAL ROAD
EAST COLONY
N.E.S. MAIN RD
GANDHI NAGAR
NEHRU NAGAR
DODABALLAPURA RD
BELLARY ROAD
BELLARY ROAD
JAKKUR ROAD
JAKKUR ROAD
SURABHI LAYOUT
EXI. CMC WARD BND
EXI. CMC WARD BND
EXI. CMC WARD BND
EXI. CMC WARD BND
EXI. CMC WARD BND
RAILWAY LINE
VIDYASHILP ACADAMY SCHOOL
MANTRI TOWN SHIP
SHOBHA ULTIMA VILAS
LIAS TEACHER LAYOUT

NOTIFICATION NO.UDD 69 MLR 2009, DATE 15.07.09

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

BRUHAT BENGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK **: *Improvements to Main roads and Cross roads at Basaveshwara nagara and surrounding areas in kempegowda ward no -01.***

Estimate Cost Rs. 49.00 Lakhs

Sl. No	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0 5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P 141/I 19.1) SR 2018-19								
		Cum							
	road berm cut portion		2	180.00	0.60	0 20	43 20		
	surabhi layout		2	150.00	0.60	0 20	36.00		
			1	15.00	25.00	0 20	75 00		
							154.20	137.80	**21249.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
2	KSRB 2-2 1 . Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 SR 2018-19								
		Cum							
	New Drain		1	40.00	1 05	0.95	39.90		
			1	30.00	1 05	0.95	29.93		
			1	30.00	1 05	0.95	29.93		
			2	40.00	1 05	0.95	79.80		
	Culvert		2	42.00	1 05	0.95	83.79		
			5	8.00	1.65	1.20	79.20		
							342.54	**316.94**	**108565.00**
	Basic Rate Rs	299.00							
	Add Area Weightage @ 6%	17.94							
	Total	**316.94**							
3	KSRB4.1.3: Providing and laying position plain cement concrete of Mix 1:4:8 with OPC cement @180Kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed , concrete laid in layers not exeecding 15 cms, thick, well compacted , in foundation , including cost of all materials, Labour , HOM of Machinery, Curing complete as per Specifications. Specifications No. KBS 4.1, 4.2 (P12/4.3). SR 2018-19								
		Cum							
	road berm cut portion		2	180.00	0.60	0.15	32.40		
	surabhi layout		2	150.00	0.60	0.15	27.00		
	RCC drain		1	15.00	25.00	0.15	56.25		
	New Drain								
			1	40.00	1.05	0.15	6.30		
			1	30.00	1 05	0.15	4.73		
			1	30.00	1.05	0.15	4.73		
			2	40.00	1.05	0.15	12.60		
	Culvert		2	42 00	1 05	0.15	13.23		
			5	8.00	1.65	0.15	9 90		
							167.13	5408.12	**903859.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	**5408.12**							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 271 Ite mo 37.59.2 SR 2018-19 (wall and bottom thickness 15cm.								
		Cum							
	Bottom raft								
	New Drain		1	40.00	0.75	0.15	4.50		
			1	30.00	0.75	0.15	3.38		
			1	30.00	0.75	0.15	3.38		
			2	40.00	0.75	0 15	9.00		
			2	42.00	0.75	0.15	9.45		
	Culvert		5	8.00	1.50	0.15	9.00		
	Side wall								
	New Drain	1x2	2	40.00	0.15	0.75	9 00		
		1x2	2	30.00	0.15	0.75	6.75		
		2x2	4	40.00	0.15	0 75	18.00		
		2x2	4	42.00	0.15	0.75	18.90		
	culvert	5x2	10	8.00	0.25	0.80	16.00		
						Total	**114.10**	7070.20	**806710.00**
	Basic Rate	6670.00							
	Add Area Weightage @ 6%	400.20							
	Total	**7070.20**							
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 4 6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19								
		Tonne							
	for Drain 50kg/cum		1	89.10	50.00		4455.00		
	for culvert 60kg/cum		1	25.00	60.00		1500.00		
	Total						**5955.00**		
							5.96	75223.96	**447959.00**
	Basic Rate	70966.00							
	Add Area Weightage @ 6%	4257.96							
	Total	**75223.96**							
6	Supplying and fixing **precast** rainforced concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.(Drain covering slab)								
		Sqm							
	New Drain		1	40.00	0.75		30.00		
			1	30.00	0.75		22.50		
			1	30.00	0.75		22.50		
			2	40.00	0.75		60.00		
			2	42.00	0.75		63.00		
						Total	**198.00**	2337.00	**462726.00**
	Data rate	2337.00							
7	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc ,complete as per the direction of engineer in charge-								

Sl. No	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Culvert	Sqm							
			5	8.00	1.50		60.00		
	Data rate	5418.00					**60.00**	5418.00	**325080.00**
8	KSRRB M600-6 cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2 2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS. 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0 69cum and fine aggregare @ 0.46cum), , No. 174/ Item No. 22.6.1) SR 2018-19								
	road berm cut portion	Cum	2	180 00	0.60	0.125	27 00		
	surabhi layout		2	150.00	0 60	0.125	22.50		
			1	15 00	25 00	0 125	46.88		
	Basic Rate	4916.00					**96.38**	5210 96	**502206.00**
	Area Weightage @ 6%	294.96							
	Total	**5210.96**							
9	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 27/ Item No. 5.30/ SR 2018-19								
		No							
			1	740.00			740.00		
							740.00		
				No of kerb stone			1644.44		
						Say	1644.00	432.48	**710997.00**
	Basic Rate	408.00							
	Area Weightage @ 6%	24.48							
	Total	**432.48**							
10	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19								
		Cum							
				Qty Vide Item No.1+2			**496.74**	87.56	**43493.00**
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							

Sl No	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
							Sub total		4332844.00
11	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018								519941.28
	DPR & PMC charges 1%								43328.44
12	Miscellaneous and unforeseen charges	Ls							3886.28
							Total Ammount Rs.		4900000.00

(Rupees Fourty Nine Lakhs only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW.P IWTD SR of 2018-19
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.1

Executive Engineer
Yelahanka-Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Administrative Approval

Accorded For RS 49: w/archgs only
Head of A/C P3443
CER NO :AS/62/18-19 Dt: 07.12.18

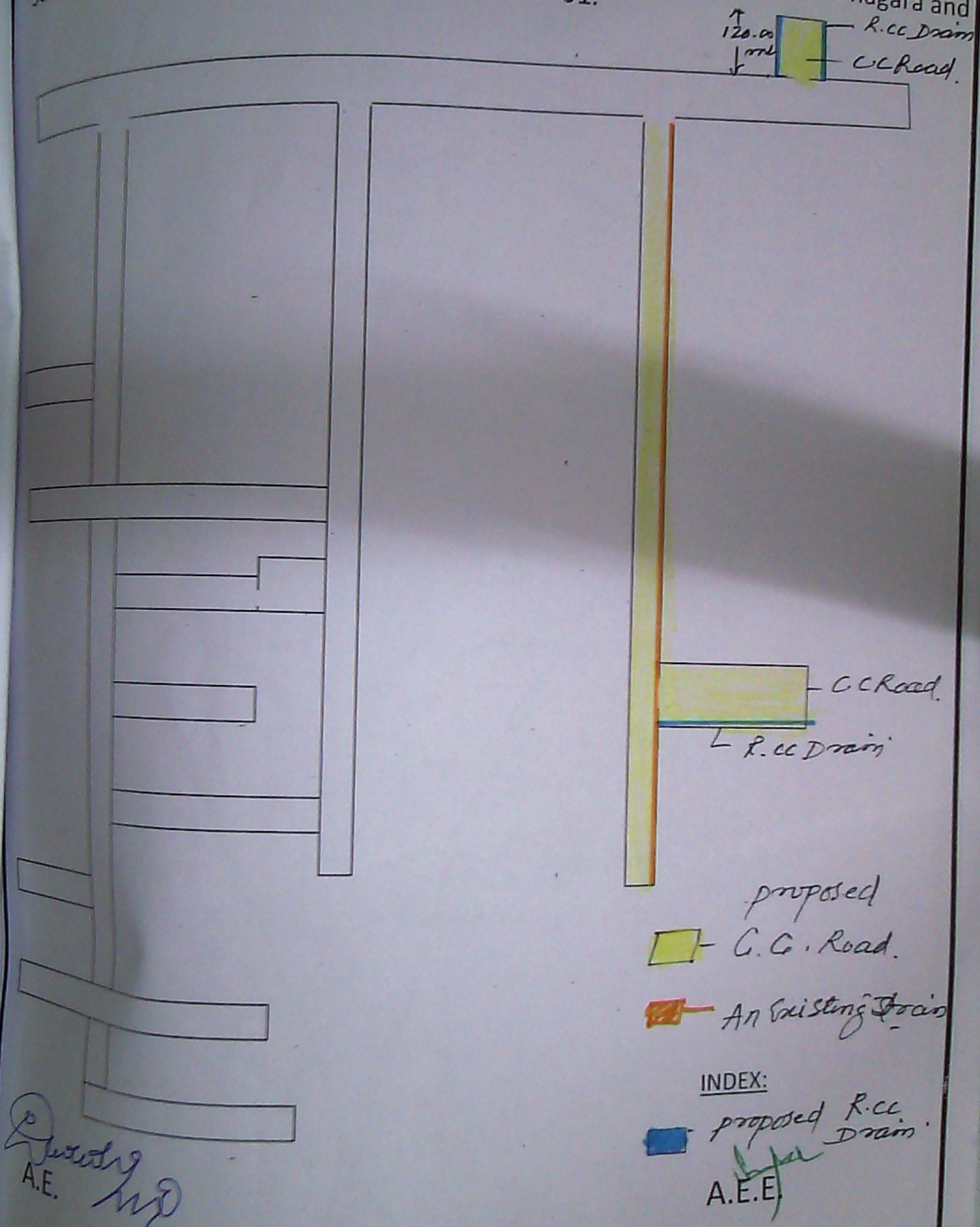
TA CE (YNK)

Technical Sanction

Accorded For RS 49: w/archgs only
Head of A/C P3443
CER NO :TS/125/18-19 Dt: 07.12.18

TA CE (YNK)

Name of work : Improvements to roads and drains at Basaveshwara nagara and surrounding areas in kempegowda ward no -01.



BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD

150 - YELAHAN

N

VILLAGE BOUNDARY
VILLAGE BOUNDARY
EXI. CMC WARD BND
EXI. CMC WARD BND
GOVINDAPURA
YELAHANKA AIRPORT AREA
BSF BTC YELAHANKA
BELLARY ROAD
EXI CMC WARD BND
KEB LAYOUT PHASE-I
VILLAGE BOUNDARY
RYAN INTERNATIONAL SCHOOL
ALI ESTATE
POLICE TRAINING CENTRE
SAI SRIRUG FIELD COLONY
BSF BUS STOP
VINAYAKNAGAR
G L PAJU COLONY
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BADRAMMA LAYOUT
JAYANNA LAYOUT
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HOSPITAL ROAD
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SHOBHA ULTIMA VILAS
LRS TEACHER LAYOUT

NOTIFICATION NO. UDD 59 MLR 2006, DATE 16.07.09

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